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NT

Client:
LumCAT: 2-2752-L
Luminaire: 92.70.412.00
Report No: 2024813-B014
Ballast type: AC

Test No: 2024813-C014	Voltage(V): 35.070
LampCAT: TRIDONIC SLE G7 15MM	Current(A): 0.702
Lamp flux(lm): 4107.0	Power (W): 24.619
Number of Lamps: 1	PF: 0.000
Length(mm): 0	Width(mm): 0
Phm Type: C	Height(mm): 0

Photometric Results

Lumens(lm): 3863.49, Efficiency(%): 94.07% , Luminous Efficacy(lm/W): 156.93
Central intensity(cd): 14258.130, Maximum intensity(cd): 14258.130
Angle of maximum intensity: C=0.0 γ=0.0
Beam Angle(50%Imax): [C0/180]Total=24.2
[C90/270]Total=24.2
Field angle(10%Imax): [C0/180]Total=55.0
[C90/270]Total=55.0
Maximum s/h(1/2): C0_180=0.41 C90_270=0.41
Maximum s/h(1/4): C0_180=0.43 C90_270=0.43
Up flux rate of lamp(%): 0.00%
Down flux rate of lamp(%): 94.07%
Up flux rate of LUM(%): - -
Down flux rate of LUM(%): 100.00%
CIE Type : Direct lighting
Output flux ratio in π solid angle : 98.066%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	14258.129	0.000	0	0.00%	0.00%
1.0	14197.412	13.615	13.615	0.33%	0.35%
2.0	13977.953	40.440	54.055	0.98%	1.40%
3.0	13646.569	66.069	120.124	1.61%	3.11%
4.0	12944.606	89.009	209.133	2.17%	5.41%
5.0	12324.429	108.706	317.839	2.65%	8.23%
6.0	11940.302	127.518	445.357	3.10%	11.53%
7.0	11243.299	143.900	589.257	3.50%	15.25%
8.0	10453.026	155.276	744.534	3.78%	19.27%
9.0	9699.256	163.323	907.857	3.98%	23.50%
10.0	8854.557	167.905	1075.762	4.09%	27.84%
11.0	8027.195	168.683	1244.446	4.11%	32.21%
12.0	7212.562	166.592	1411.038	4.06%	36.52%
13.0	6461.352	162.275	1573.313	3.95%	40.72%
14.0	5770.714	156.569	1729.882	3.81%	44.78%
15.0	5126.600	149.603	1879.485	3.64%	48.65%
16.0	4529.305	141.486	2020.971	3.44%	52.31%
17.0	4040.715	133.458	2154.43	3.25%	55.76%
18.0	3582.191	125.685	2280.115	3.06%	59.02%
19.0	3208.013	118.136	2398.251	2.88%	62.07%
20.0	2884.603	111.512	2509.762	2.72%	64.96%
21.0	2697.404	107.186	2616.948	2.61%	67.74%
22.0	2442.700	103.293	2720.241	2.52%	70.41%
23.0	2148.493	96.336	2816.576	2.35%	72.90%
24.0	1957.856	89.780	2906.356	2.19%	75.23%
25.0	1798.309	85.407	2991.763	2.08%	77.44%
26.0	1668.023	81.823	3073.586	1.99%	79.55%
27.0	1506.530	77.666	3151.252	1.89%	81.57%
28.0	1359.412	72.560	3223.812	1.77%	83.44%
29.0	1260.092	68.534	3292.345	1.67%	85.22%
30.0	1140.472	64.815	3357.16	1.58%	86.89%
31.0	1002.915	59.647	3416.808	1.45%	88.44%
32.0	867.428	53.583	3470.391	1.30%	89.83%
33.0	734.794	47.202	3517.593	1.15%	91.05%
34.0	614.289	40.827	3558.42	0.99%	92.10%
35.0	498.436	34.557	3592.977	0.84%	93.00%
36.0	391.925	28.349	3621.326	0.69%	93.73%
37.0	294.697	22.394	3643.72	0.55%	94.31%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	235.619	17.701	3661.421	0.43%	94.77%
39.0	189.671	14.516	3675.938	0.35%	95.15%
40.0	125.648	10.997	3686.935	0.27%	95.43%
41.0	103.373	8.155	3695.09	0.20%	95.64%
42.0	93.175	7.141	3702.231	0.17%	95.83%
43.0	85.143	6.605	3708.837	0.16%	96.00%
44.0	78.113	6.162	3714.998	0.15%	96.16%
45.0	72.129	5.774	3720.772	0.14%	96.31%
46.0	67.462	5.459	3726.231	0.13%	96.45%
47.0	63.555	5.211	3731.442	0.13%	96.58%
48.0	59.993	4.994	3736.437	0.12%	96.71%
49.0	56.913	4.801	3741.237	0.12%	96.84%
50.0	54.748	4.656	3745.893	0.11%	96.96%
51.0	53.080	4.562	3750.455	0.11%	97.07%
52.0	51.529	4.489	3754.944	0.11%	97.19%
53.0	50.059	4.419	3759.363	0.11%	97.30%
54.0	49.152	4.373	3763.736	0.11%	97.42%
55.0	48.127	4.342	3768.078	0.11%	97.53%
56.0	46.957	4.297	3772.375	0.10%	97.64%
57.0	45.538	4.229	3776.604	0.10%	97.75%
58.0	44.302	4.154	3780.758	0.10%	97.86%
59.0	42.699	4.067	3784.826	0.10%	97.96%
60.0	40.819	3.946	3788.771	0.10%	98.07%
61.0	38.705	3.795	3792.566	0.09%	98.16%
62.0	37.111	3.653	3796.22	0.09%	98.26%
63.0	35.450	3.529	3799.749	0.09%	98.35%
64.0	33.599	3.388	3803.137	0.08%	98.44%
65.0	31.800	3.237	3806.373	0.08%	98.52%
66.0	30.446	3.106	3809.479	0.08%	98.60%
67.0	29.312	3.005	3812.484	0.07%	98.68%
68.0	27.901	2.898	3815.382	0.07%	98.75%
69.0	26.672	2.784	3818.166	0.07%	98.83%
70.0	25.596	2.684	3820.851	0.07%	98.90%
71.0	24.726	2.601	3823.451	0.06%	98.96%
72.0	23.884	2.528	3825.979	0.06%	99.03%
73.0	23.021	2.453	3828.432	0.06%	99.09%
74.0	22.334	2.384	3830.816	0.06%	99.15%
75.0	21.792	2.331	3833.148	0.06%	99.21%

Zonal flux distribution table

γ(°)	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	21.302	2.288	3835.435	0.06%	99.27%
77.0	20.812	2.245	3837.681	0.05%	99.33%
78.0	20.351	2.203	3839.884	0.05%	99.39%
79.0	19.905	2.163	3842.047	0.05%	99.45%
80.0	19.473	2.123	3844.17	0.05%	99.50%
81.0	19.027	2.082	3846.252	0.05%	99.55%
82.0	18.625	2.042	3848.294	0.05%	99.61%
83.0	18.266	2.005	3850.299	0.05%	99.66%
84.0	17.944	1.973	3852.272	0.05%	99.71%
85.0	17.623	1.941	3854.213	0.05%	99.76%
86.0	17.337	1.911	3856.124	0.05%	99.81%
87.0	17.045	1.882	3858.006	0.05%	99.86%
88.0	16.759	1.852	3859.858	0.05%	99.91%
89.0	16.511	1.824	3861.681	0.04%	99.95%
90.0	16.394	1.804	3863.485	0.04%	100.00%

Zonal flux distribution table

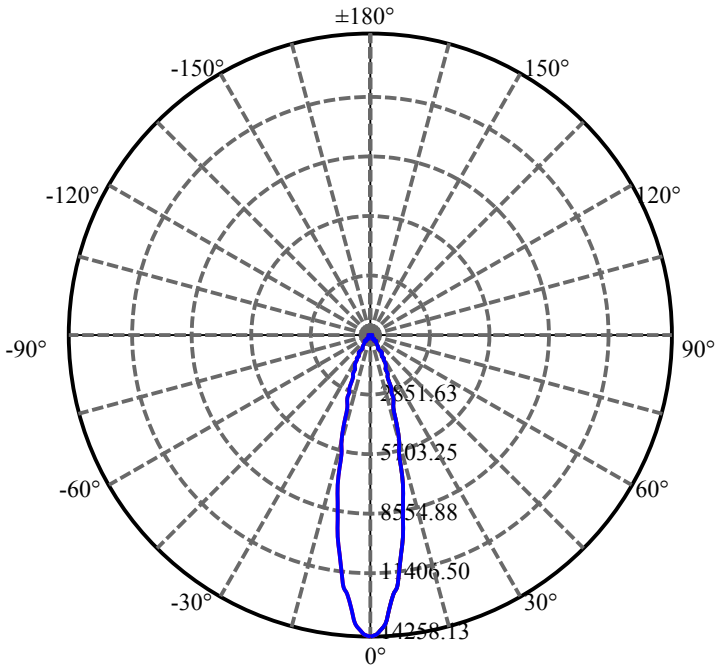
ZONAL LUMEN SUMMARY

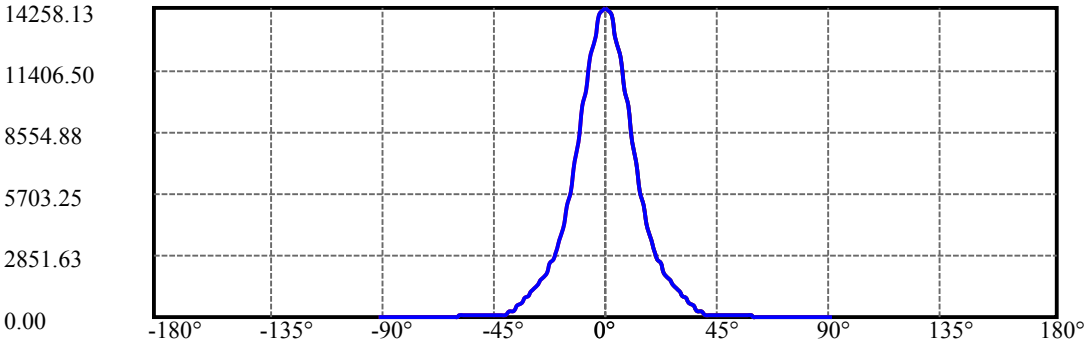
Zone	Lumens	%Lamp	%Fixt
0-30	3357.16	81.74%	86.89%
0-40	3686.93	89.77%	95.43%
0-60	3788.77	92.25%	98.07%
0-90	3861.68	94.03%	99.95%
0-120	3861.68	94.03%	99.95%
0-180	3863.49	94.07%	100.00%
60-90	72.91	1.78%	1.89%
90-120	0.00	0.00%	0.00%
90-130	0.00	0.00%	0.00%
90-150	0.00	0.00%	0.00%
90-180	0.00	0.00%	0.00%
0-26.22	3090.79	75.26%	80.00%

ZONAL LUMEN SUMMARY

0-10	1075.76
10-20	1434.00
20-30	847.40
30-40	329.77
40-50	58.96
50-60	42.88
60-70	32.08
70-80	23.32
80-90	17.51
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

Light Distribution Curve [Unit:cd]





C0(Max):

C0/C180:

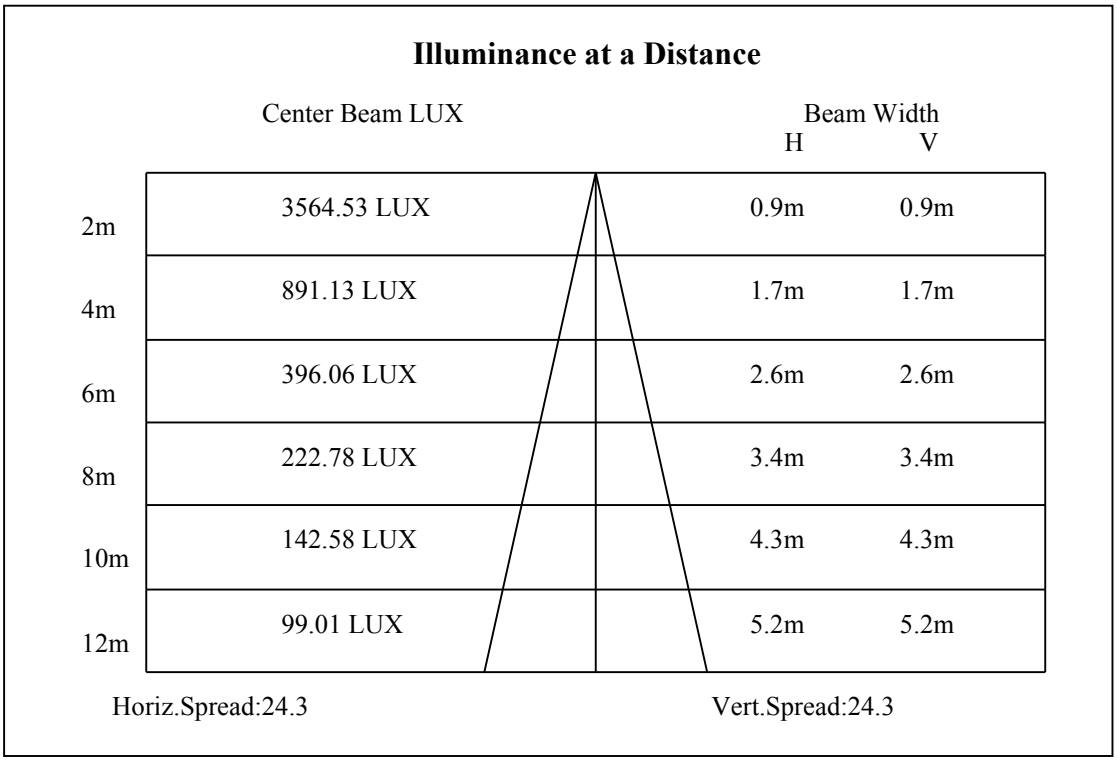
C90/C270:

Field angle(10%Imax):C0/180Left:27.5 Right:27.5
:C90/270Left:27.5 Right:27.5

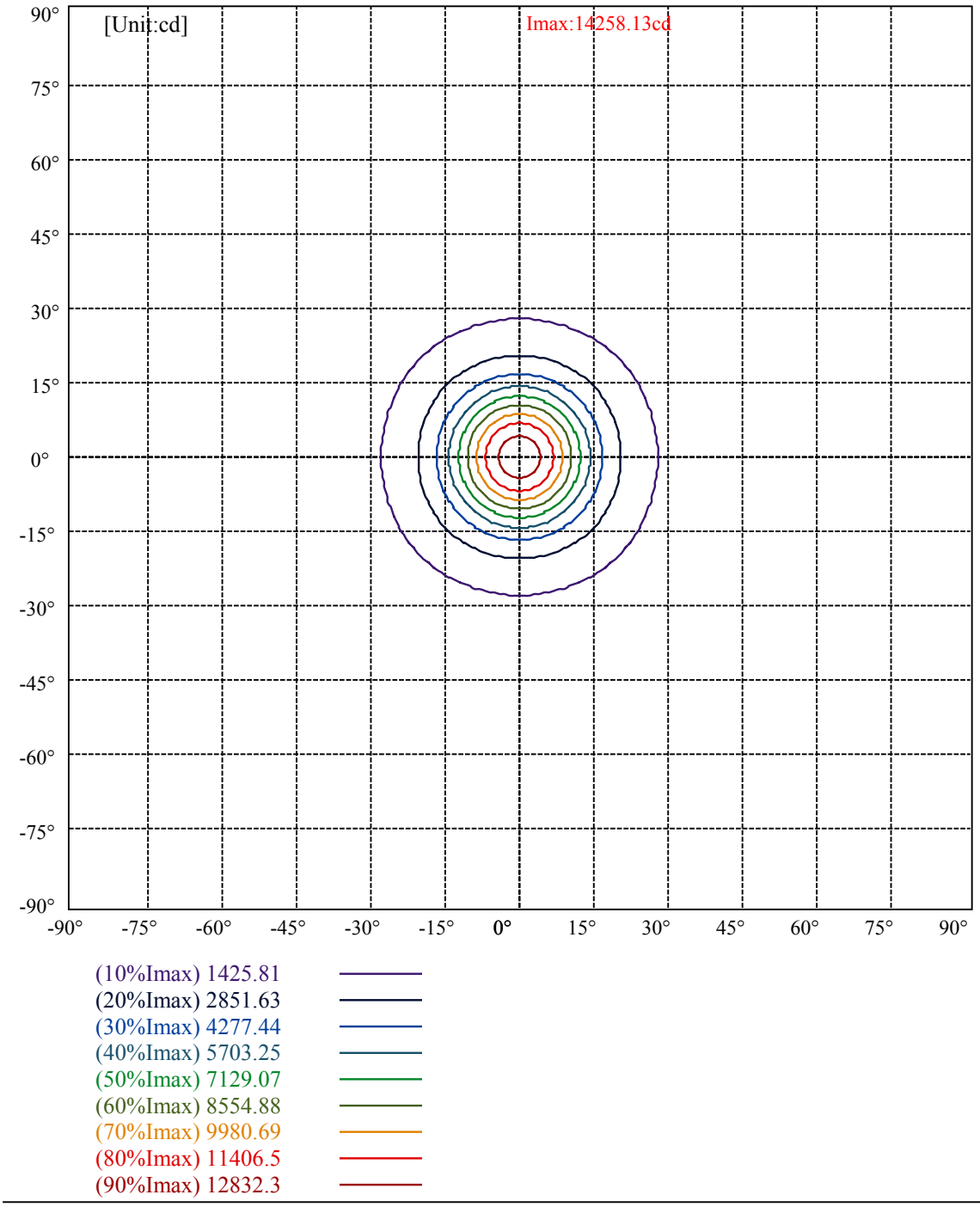
Beam Angle(50%Imax):C0/180Left:12.1 Right:12.1
:C90/270Left:12.1 Right:12.1

Equipment: GMS1980	Date: 2024/8/13	Operator: NT07
Temperature(°C): 25.0	Humidity(%): 60.0%	Distance(m): 7.65

Lux distance Curve



ISO-Intensity(V-H)

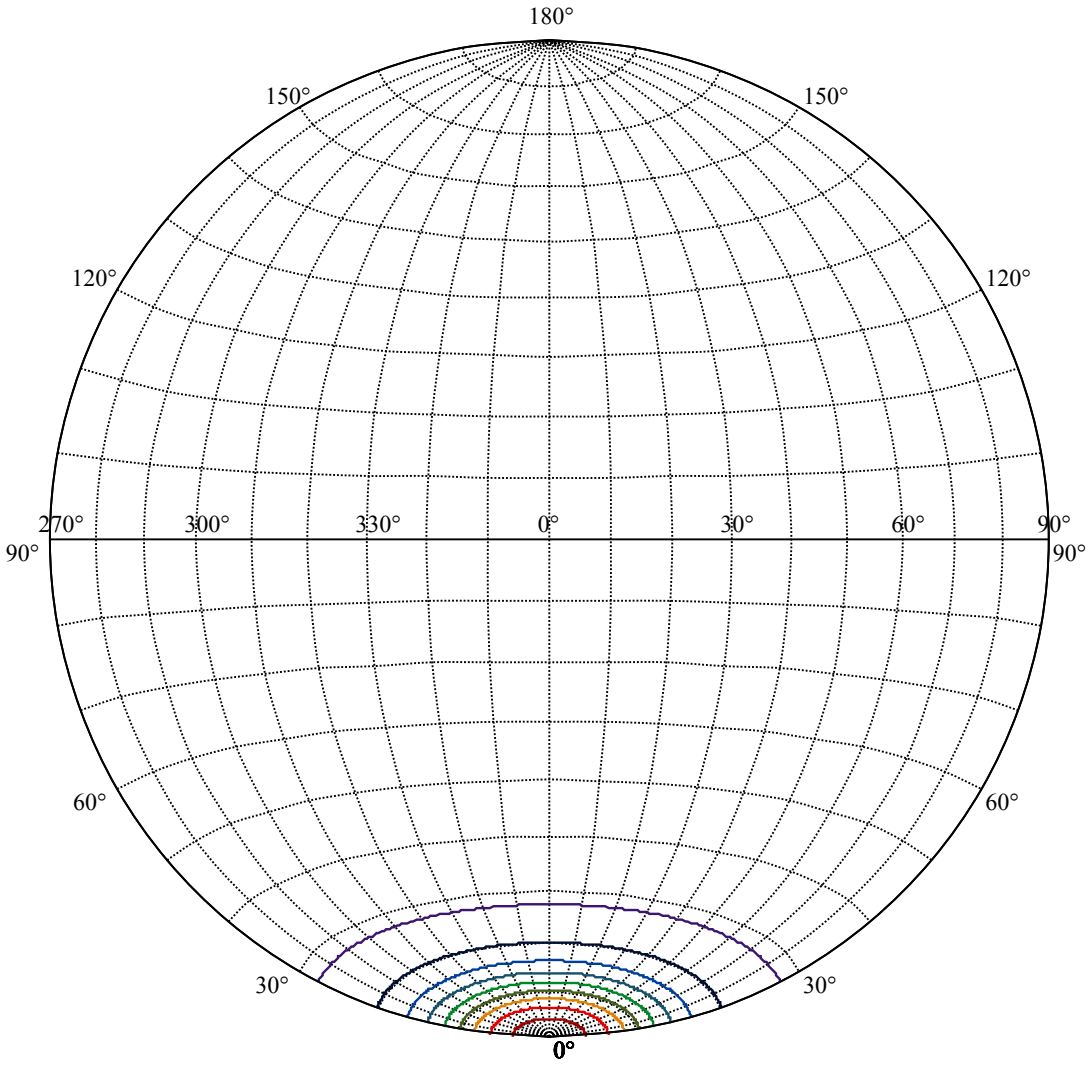


Equipment: GMS1980
Temperature(°C): 25.0

Date: 2024/8/13
Humidity(%): 60.0%

Operator: NT07
Distance(m): 7.65

ISO candela diagram on circular web



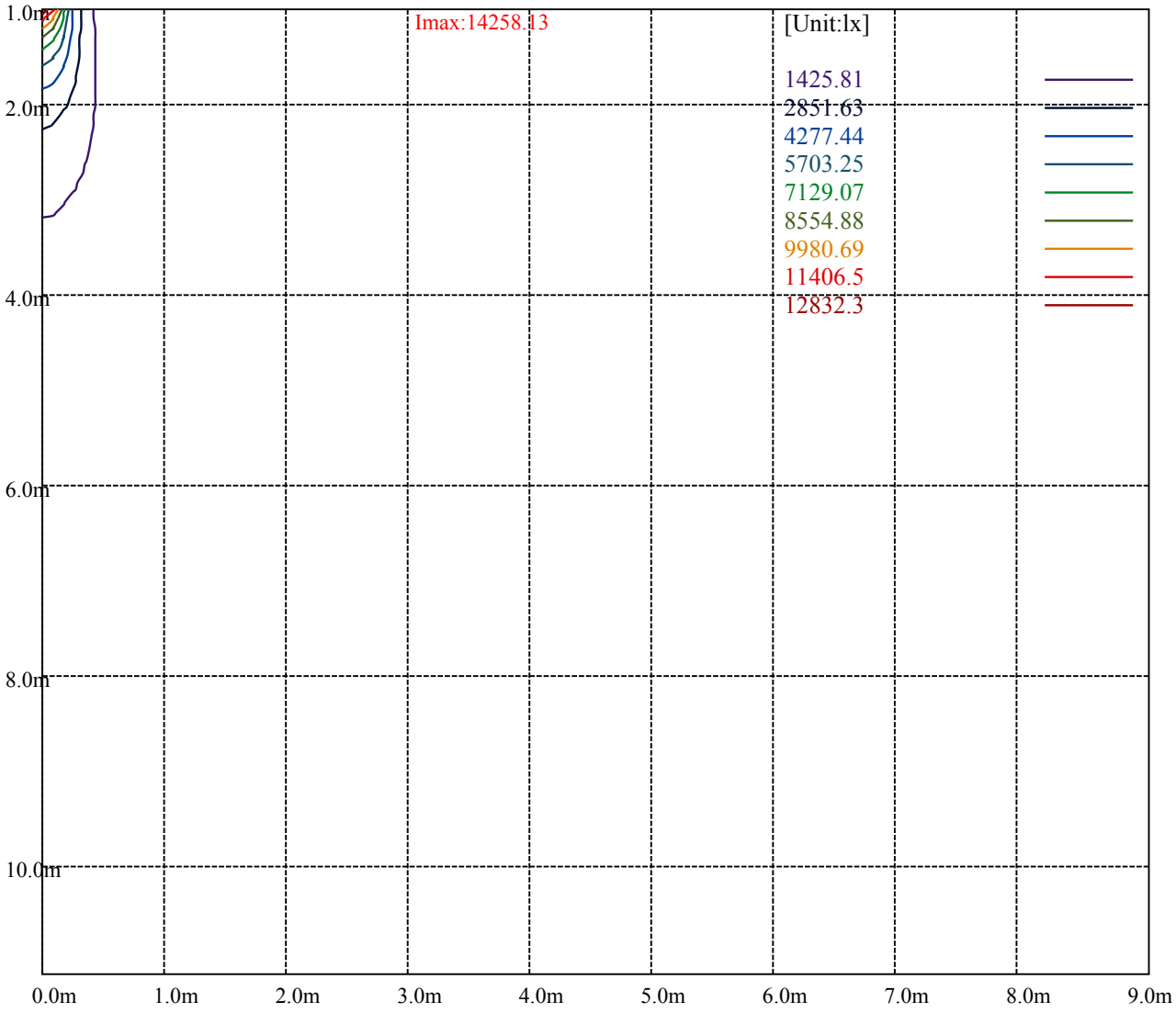
[Unit:cd]

Imax:14258.13

(10%Imax) 1425.81
(20%Imax) 2851.63
(30%Imax) 4277.44
(40%Imax) 5703.25
(50%Imax) 7129.07
(60%Imax) 8554.88
(70%Imax) 9980.69
(80%Imax) 11406.5
(90%Imax) 12832.3

Equipment: GMS1980	Date: 2024/8/13	Operator: NT07
Temperature(°C): 25.0	Humidity(%): 60.0%	Distance(m): 7.65

Space ISO Lux diagram



Equipment: GMS1980
Temperature(°C): 25.0

Date: 2024/8/13
Humidity(%): 60.0%

Operator: NT07
Distance(m): 7.65

Luminance Limitting Curve(no luminous side)

Luminance Table

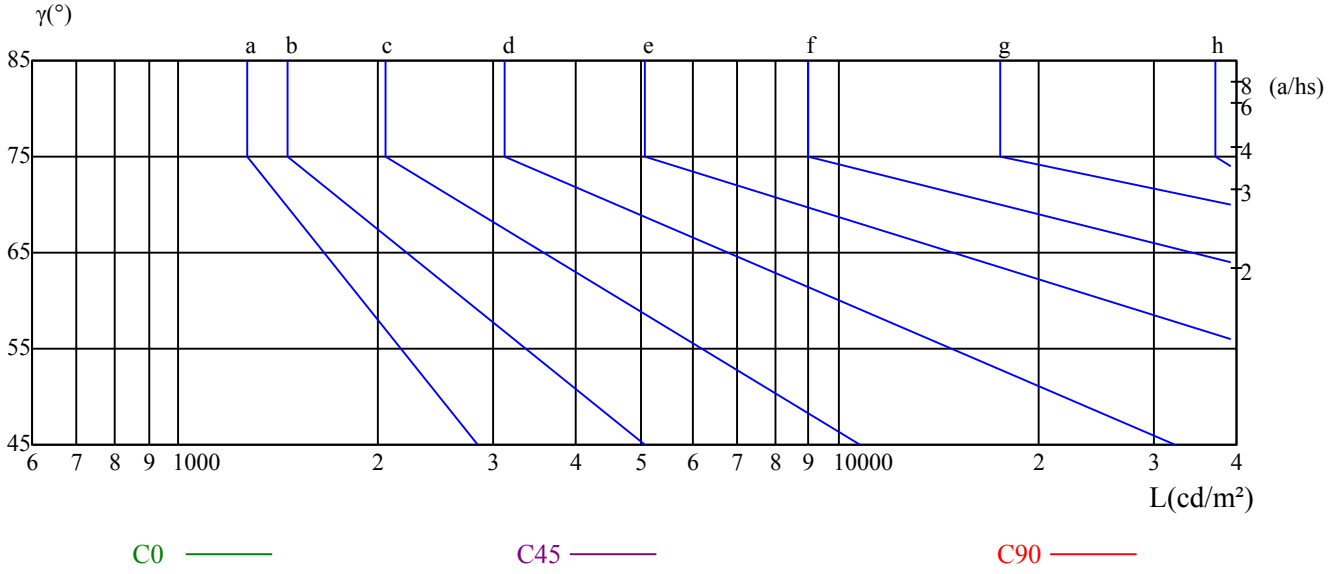
γ	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

L(Hor)(65)	L(Ver)(65)	L45(65)	L(Hor)(75)	L(Ver)(75)	L45(75)	L(Hor)(85)	L(Ver)(85)	L45(85)
0	0	0	0	0	0	0	0	0

Glare Table

Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

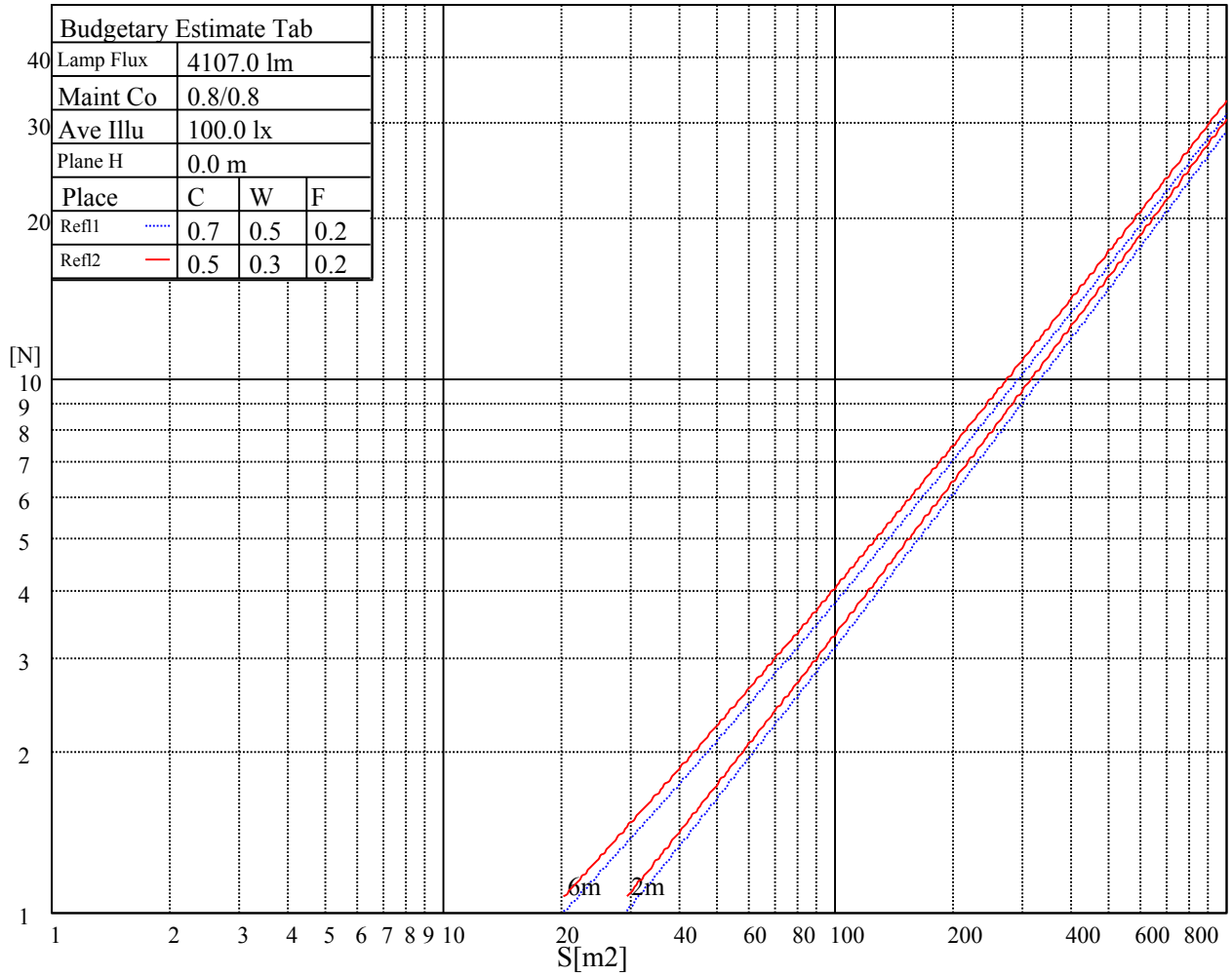
Luminance Limitting Curve



Illumination assessment according UGR										
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30
Rf of Wall	50	30	50	30	30	50	30	50	30	30
Rf of Floor	20	20	20	20	20	20	20	20	20	20
Room dimensions	Viewed crosswise					Viewed endwise				
X Y										
2H 2H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字
3H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字
4H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字
6H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字
8H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字
12H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字
4H 2H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字
3H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字
4H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字
6H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字
8H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字
12H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字
8H 4H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字
6H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字
8H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字
12H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字
12H 4H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字
6H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字
8H	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字	非数字
Variation with the observer position at spacings:										
S = 1.0H	非数字/非数字					非数字/非数字				
S = 1.5H	非数字/非数字					非数字/非数字				
S = 2.0H	非数字/非数字					非数字/非数字				
Standard tables:	BK0					BK0				
Uncorrected UGR	负无穷大					负无穷大				

UGR calculation is based on CIE Publ. 117 ,S/H = 0.25

Budgetary Estimate Table

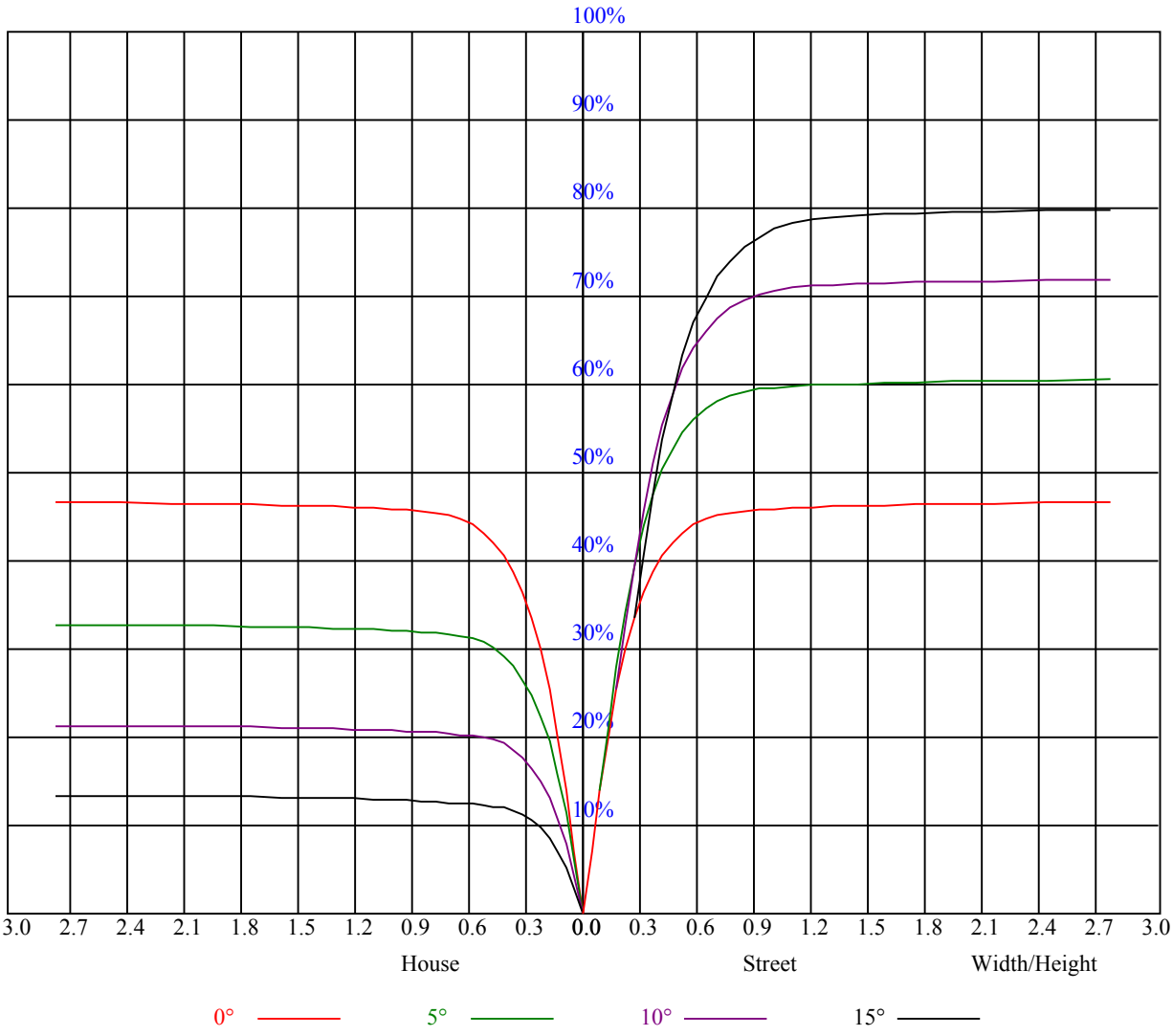


Equipment: GMS1980	Date: 2024/8/13	Operator: NT07
Temperature(°C): 25.0	Humidity(%): 60.0%	Distance(m): 7.65

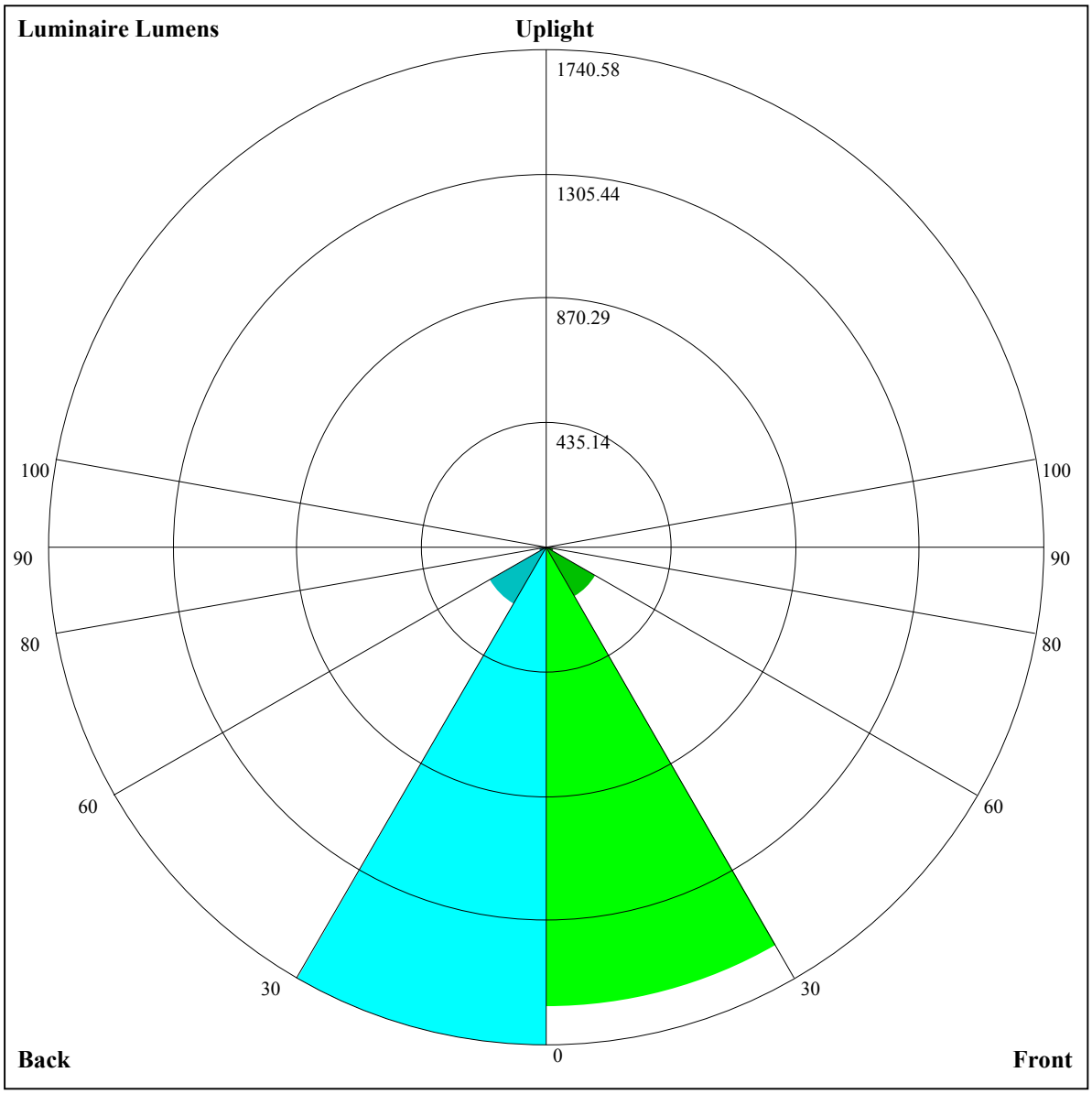
Utilization factor table for indoor luminaire

RHOCC	80			70			50			30			10			0
RHOW	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR	COEFFCIENTS OF UTILIZATION RHOFC=20 CU															
0	1.12	1.12	1.12	1.09	1.09	1.09	1.05	1.05	1.05	1.00	1.00	1.00	0.96	0.96	0.96	0.94
1	1.05	1.03	1.01	1.03	1.01	0.99	0.99	0.98	0.96	0.96	0.95	0.94	0.93	0.92	0.91	0.89
2	0.99	0.96	0.93	0.98	0.95	0.92	0.95	0.92	0.90	0.92	0.90	0.88	0.89	0.88	0.86	0.85
3	0.94	0.90	0.87	0.93	0.89	0.86	0.90	0.87	0.85	0.88	0.86	0.84	0.86	0.84	0.82	0.81
4	0.90	0.85	0.82	0.89	0.85	0.81	0.87	0.83	0.81	0.85	0.82	0.80	0.83	0.81	0.79	0.77
5	0.86	0.81	0.78	0.85	0.81	0.77	0.83	0.79	0.77	0.82	0.79	0.76	0.80	0.78	0.75	0.74
6	0.82	0.77	0.74	0.81	0.77	0.74	0.80	0.76	0.73	0.79	0.75	0.73	0.78	0.75	0.72	0.71
7	0.79	0.74	0.71	0.78	0.74	0.71	0.77	0.73	0.70	0.76	0.73	0.70	0.75	0.72	0.70	0.69
8	0.76	0.71	0.68	0.75	0.71	0.68	0.74	0.70	0.68	0.73	0.70	0.67	0.73	0.69	0.67	0.66
9	0.73	0.68	0.65	0.72	0.68	0.65	0.72	0.68	0.65	0.71	0.67	0.65	0.70	0.67	0.65	0.64
10	0.70	0.66	0.63	0.70	0.66	0.63	0.69	0.66	0.63	0.69	0.65	0.63	0.68	0.65	0.63	0.62

Coefficient Utilization Curve



Equipment: GMS1980	Date: 2024/8/13	Operator: NT07
Temperature(°C): 25.0	Humidity(%): 60.0%	Distance(m): 7.65



Luminaire Lumens:
FL=1609.04,FM=201.81,FH=27.31,FVH=9.61
BL=1740.58,BM=231.31,BH=28.15,BVH=9.72
UL=0,UH=0

BUG Rating:B3-U0-G0

Intensity data(cd)

C/γ(°)	0.0	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0
0.0	14195.22	13972.83	13633.40	13212.04	11581.66	11581.66	11223.50	10322.84	9584.87
45.0	14294.71	14247.89	14084.02	13709.48	13282.27	12749.71	12152.78	11321.76	10613.64
90.0	14294.71	14165.96	13849.93	13469.54	13018.92	11653.64	11653.64	10951.37	10225.11
135.0	14247.89	14323.97	14277.15	14054.76	13721.19	13329.08	12796.53	12024.03	11333.47
180.0	14195.22	14318.11	14247.89	14078.17	13791.41	13305.68	12802.38	12182.04	11327.62
225.0	14294.71	14236.18	13961.13	13650.96	13194.48	11517.87	11517.87	11160.88	10222.18
270.0	14294.71	14288.85	14148.40	13808.97	13446.13	12936.98	12217.16	11550.00	10847.73
315.0	14247.89	14025.50	13621.70	13188.63	11520.80	11520.80	11158.54	10433.45	9469.58
360.0	14195.22	13972.83	13633.40	13212.04	11581.66	11581.66	11223.50	10322.84	9584.87

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	8846.32	7909.96	7160.87	6446.31	5615.88	5010.75	4485.22	3995.39	3485.66
45.0	9911.37	8986.72	8237.63	7289.56	6569.74	5902.58	5276.39	4579.97	4082.53
90.0	9466.07	8536.15	7774.77	6840.17	6164.23	5509.95	4779.01	4269.27	3816.90
135.0	10660.46	9911.37	8969.16	8214.22	7254.45	6517.07	5873.32	5106.67	4574.12
180.0	10607.79	9671.43	8910.64	8132.29	7377.35	6458.54	5808.94	5200.31	4661.90
225.0	9460.81	8705.28	7751.36	7007.54	6333.36	5685.52	4975.06	4439.58	3976.08
270.0	9917.22	9150.58	8372.23	7430.02	6698.49	5990.36	5387.58	4679.46	4182.02
315.0	8724.01	7964.97	7040.90	6340.39	5677.33	5090.93	4427.29	3963.79	3546.52
360.0	8846.32	7909.96	7160.87	6446.31	5615.88	5010.75	4485.22	3995.39	3485.66

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	3141.55	2838.40	2575.63	2299.99	2109.21	1900.28	1754.56	1638.10	1514.62
45.0	3649.46	3274.92	2964.75	2964.75	2403.58	2211.62	1989.24	1841.18	1713.60
90.0	3338.18	3014.55	2728.96	2491.36	2238.54	2053.61	1892.09	1751.64	1605.92
135.0	4094.23	3661.17	3216.40	2988.16	2988.16	2427.57	2170.07	1989.24	1842.93
180.0	4035.71	3620.20	3228.10	2994.01	2994.01	2400.07	2192.31	1969.34	1819.52
225.0	3542.43	3088.88	2795.09	2545.20	2279.51	2091.65	1921.94	1745.20	1634.01
270.0	3754.80	3368.56	3029.12	3029.12	2455.08	2196.41	2010.31	1828.89	1704.23
315.0	3101.17	2797.43	2538.76	2266.63	2073.51	1906.72	1732.32	1622.89	1509.35
360.0	3141.55	2838.40	2575.63	2299.99	2109.21	1900.28	1754.56	1638.10	1514.62

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	1302.18	1140.43	1107.66	976.56	853.61	728.08	583.82	475.61	376.36
45.0	1574.31	1475.41	1320.33	1190.41	1059.32	895.45	769.04	646.73	532.03
90.0	1503.50	1302.77	1144.17	1112.86	946.72	822.88	701.68	583.94	442.96
135.0	1715.94	1577.83	1470.73	1311.55	1179.29	1048.78	889.02	767.29	649.66
180.0	1703.06	1573.14	1451.42	1276.43	1149.44	1010.74	889.02	733.35	620.98
225.0	1490.63	1166.00	1166.00	1102.04	948.53	828.21	714.56	599.91	464.20
270.0	1598.31	1475.41	1320.33	1185.14	1045.86	914.77	752.66	636.20	527.93
315.0	1164.31	1164.31	1100.11	968.78	840.56	690.51	578.55	471.28	373.37
360.0	1302.18	1140.43	1107.66	976.56	853.61	728.08	583.82	475.61	376.36

C/γ(°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	286.99	195.23	138.76	110.67	101.48	90.89	82.58	75.26	69.88
45.0	401.52	307.30	307.30	209.10	111.66	100.42	91.47	83.51	75.44
90.0	345.63	260.37	190.55	130.10	109.61	99.14	88.02	80.64	75.03
135.0	538.47	408.55	312.57	312.57	148.12	120.15	108.03	97.50	89.48
180.0	511.55	410.89	296.77	296.77	200.38	114.47	100.72	91.94	83.34
225.0	361.43	272.25	199.04	133.55	111.66	101.60	91.53	84.68	77.48
270.0	423.18	304.96	304.96	209.28	117.34	106.51	97.15	88.02	81.87
315.0	266.63	198.04	135.01	115.35	104.93	93.81	85.91	79.59	72.39
360.0	286.99	195.23	138.76	110.67	101.48	90.89	82.58	75.26	69.88

Intensity data(cd)

C/γ(°)	45.0	46.0	47.0	48.0	49.0	50.0	51.0	52.0	53.0
0.0	65.37	61.27	58.23	55.36	53.26	51.79	50.33	48.98	48.05
45.0	70.17	64.73	61.39	58.29	55.01	53.02	51.73	50.39	48.69
90.0	68.65	64.67	61.33	57.53	55.01	53.14	51.97	50.39	49.04
135.0	80.64	74.67	68.76	64.96	60.45	57.41	55.30	53.78	51.68
180.0	77.48	71.98	66.89	63.56	60.40	57.53	54.95	53.67	52.03
225.0	72.28	68.18	64.78	60.57	57.59	55.54	53.96	51.97	50.56
270.0	74.67	70.05	66.25	62.68	58.64	56.24	54.78	53.20	51.32
315.0	67.77	64.14	60.80	57.00	54.95	53.31	51.62	49.86	49.10
360.0	65.37	61.27	58.23	55.36	53.26	51.79	50.33	48.98	48.05

C/γ(°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	47.58	46.58	45.24	43.72	42.72	40.44	38.33	36.93	35.58
45.0	48.05	47.29	46.35	44.71	43.72	42.72	40.73	38.62	37.16
90.0	48.22	47.58	46.00	44.83	43.83	41.79	39.62	37.69	36.28
135.0	50.39	49.74	48.92	47.34	45.88	44.54	43.37	40.91	38.86
180.0	50.62	49.33	48.57	47.70	45.88	44.83	43.42	40.85	38.92
225.0	49.69	47.93	46.58	45.24	44.01	42.49	40.32	37.86	36.81
270.0	50.45	49.86	48.52	46.23	45.18	43.83	42.08	39.91	37.86
315.0	48.22	46.70	45.47	44.54	43.19	40.97	38.68	36.87	35.41
360.0	47.58	46.58	45.24	43.72	42.72	40.44	38.33	36.93	35.58

C/γ(°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	33.30	31.43	30.43	29.32	27.74	26.45	25.57	24.87	23.82
45.0	35.70	34.12	31.95	30.55	29.55	28.21	26.74	25.63	25.05
90.0	34.59	32.36	30.96	29.90	28.85	27.27	26.04	25.22	24.35
135.0	37.10	35.64	33.59	31.54	30.55	29.44	28.09	26.39	25.57
180.0	37.51	35.58	33.47	31.72	30.72	29.32	27.92	26.63	25.69
225.0	35.41	33.30	31.25	30.31	29.20	27.51	26.22	25.40	24.52
270.0	36.46	34.76	32.48	30.90	29.90	28.79	27.33	25.93	25.11
315.0	33.53	31.60	30.26	29.32	27.97	26.22	25.46	24.70	23.70
360.0	33.30	31.43	30.43	29.32	27.74	26.45	25.57	24.87	23.82

C/γ(°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	23.00	22.24	21.77	21.36	20.78	20.37	19.96	19.49	19.08
45.0	24.17	23.17	22.41	21.95	21.42	20.89	20.54	20.01	19.61
90.0	23.35	22.65	22.12	21.54	21.07	20.60	20.07	19.61	19.20
135.0	24.81	23.94	22.94	22.41	21.89	21.36	20.83	20.48	19.96
180.0	24.87	23.99	23.06	22.36	21.89	21.30	20.83	20.42	19.90
225.0	23.64	22.82	22.12	21.59	21.19	20.60	20.19	19.78	19.37
270.0	24.40	23.23	22.59	21.95	21.48	21.07	20.60	20.07	19.66
315.0	22.82	22.12	21.65	21.19	20.72	20.31	19.78	19.37	19.02
360.0	23.00	22.24	21.77	21.36	20.78	20.37	19.96	19.49	19.08

C/γ(°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	18.73	18.32	17.97	17.73	17.44	17.21	16.91	16.56	16.44
45.0	19.14	18.67	18.32	18.02	17.67	17.38	17.09	16.85	16.62
90.0	18.73	18.49	18.08	17.67	17.44	17.15	16.97	16.62	16.33
135.0	19.49	18.96	18.55	18.20	17.85	17.56	17.21	17.03	16.74
180.0	19.49	19.02	18.67	18.32	17.91	17.62	17.32	17.03	16.74
225.0	18.90	18.55	18.26	17.91	17.62	17.32	17.03	16.74	16.44
270.0	19.20	18.79	18.43	18.08	17.73	17.44	17.09	16.80	16.44
315.0	18.55	18.20	17.85	17.62	17.32	17.03	16.74	16.44	16.33
360.0	18.73	18.32	17.97	17.73	17.44	17.21	16.91	16.56	16.44

Intensity data(cd)

C/γ(°)	90.0
0.0	16.44
45.0	16.44
90.0	16.39
135.0	16.44
180.0	16.44
225.0	16.33
270.0	16.33
315.0	16.33
360.0	16.44